



Kentucky Agricultural Statistics Service  
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# KENTUCKY WEEKLY CROP & WEATHER REPORT



Prepared in Cooperation with:  
Univ. of Ky - Agr'l Weather Center  
U.S. Dept. of Commerce - NOAA  
Kentucky Department of Agriculture  
Cooperative Extension Service

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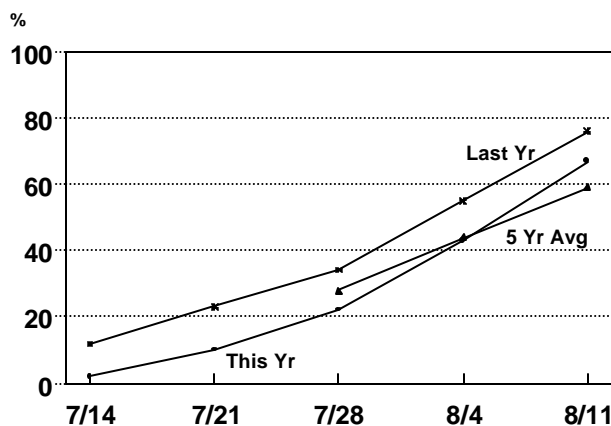
Issued 4:00 P.M., August 12, 2002

KBM 21-02

**AGRICULTURAL NEWS:** Cooler weather but soils remain dry; farmers are still looking for rain. Those who are able have been irrigating their crops, especially tobacco. Days suitable for fieldwork averaged 6.4 out of a possible seven days. Lower humidity helped make farm work a little easier last week. Jobs on the farm included preparing equipment for corn harvest, topping and spraying tobacco and preparing for tobacco harvest, clipping pastures, and cutting and baling hay. **Topsoil moisture** as of Friday, August 9 was rated 54 percent very short, 34 percent short, 11 percent adequate, and 1 percent surplus. **Subsoil moisture** was rated 44 percent very short, 40 percent short, and 16 percent adequate.

**TOBACCO:** Condition of the set tobacco was reported as 7 percent very poor, 17 percent poor, 28 percent fair, 37 percent good, and 11 percent excellent. Potential for yield varies, depending on rain received and whether set on time. Black shank severity is highly variable. Blue mold has been held in check by the dry weather. As of Sunday, August 11, Burley topped reached 67 percent compared to 76 percent last year and the five year average of 59 percent. Burley harvest has begun with 8 percent cut, compared to 12 percent last year and 7 percent on average. Eighty-five percent of the **dark tobacco** crop was topped compared to 93 percent last year and the five year average of 80 percent. Approximately 5 percent of dark tobacco has been cut, compared to 10 percent last year and 7 percent for the average.

BURLEY TOBACCO PERCENT TOPPED

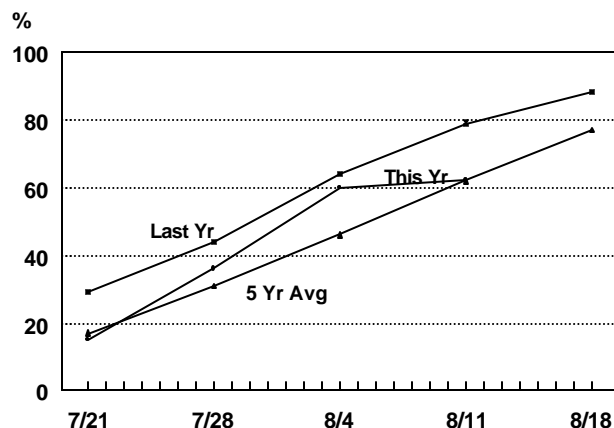


**CORN:** Condition as of Friday, August 9 was reported as 8 percent very poor, 23 percent poor, 36 percent fair, 26 percent good, and 7 percent excellent. Many fields are probably beyond the stage where rain would benefit yield. Good yields are still expected in those areas that were fortunate enough to receive needed rains. Corn in the milk stage reached 87 percent compared to 93 percent a year ago, and 82 percent for the five year average. Corn in the dough stage was the same as the average at 62 percent compared to 79 percent for last year. Approximately 43 percent of the corn was dented, compared with 48 percent a year ago and 29 percent on average.

**SOYBEANS:** Crop condition as of August 9 was reported as 6 percent very poor, 20 percent poor, 32 percent fair, 35 percent good, and 7 percent excellent. Seventy-six percent of the soybean crop was blooming as of Sunday, August 11, behind both last year and the average at 87 and 70 percent, respectively. The jury is still out on soybean yield potential. There are still fields where pod fill would benefit from a good rain. Forty-eight percent of the crop was setting pods, compared with 63 percent last year, and the five year average of 47 percent.

**OTHER CROPS:** Condition of the **hay** crop deteriorated with 14 percent reported as very poor, 26 percent poor, 31 percent fair, 26 percent good, and 3 percent excellent. There were a few reports that the supplemental feeding of hay to cattle was cutting into the winter hay supply. In some areas, lack of moisture has severely slowed or halted pasture growth. Some are concerned about water supply for livestock.

CORN PERCENT DOUGH OR BEYOND



# SOIL MOISTURE

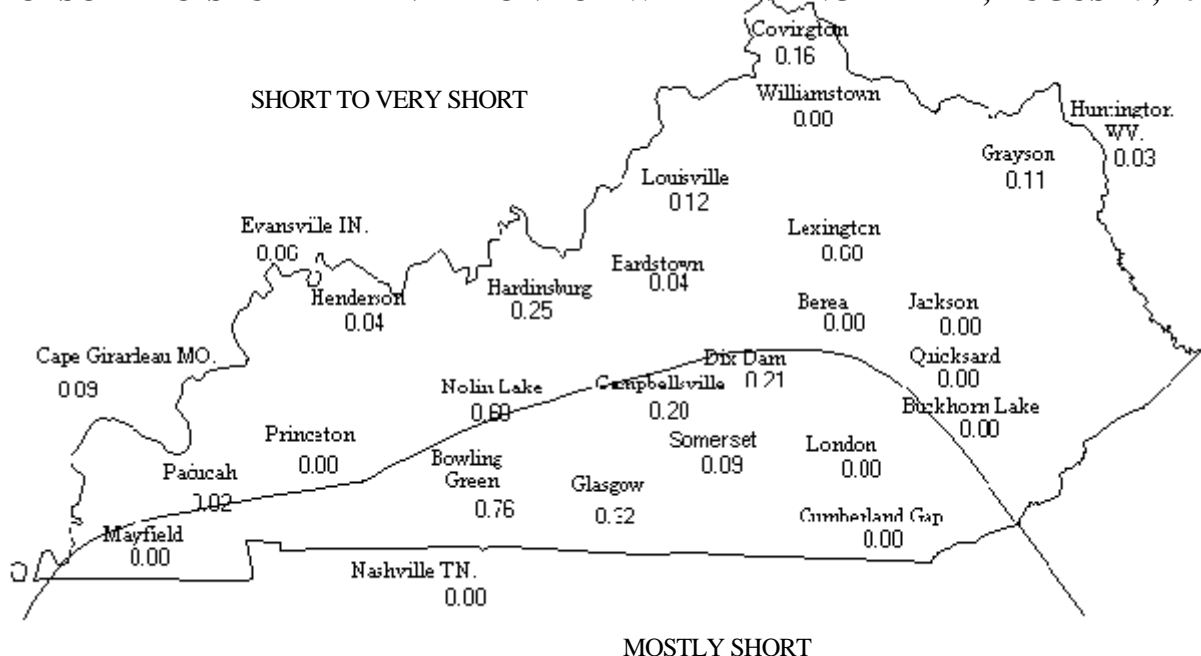
## WEEK ENDING AUGUST 9, 2002

### WITH COMPARISONS

	This Week	Previous Week
Percentage		
<b>TOPSOIL</b>		
Very Short	54	35
Short	34	34
Adequate	11	29
Surplus	1	2
<b>SUBSOIL</b>		
Very Short	44	25
Short	40	43
Adequate	16	30
Surplus	0	2

### KENTUCKY CROP CONDITIONS (Percent)

**PRECIPITATION MAP FOR WEEK ENDING SUNDAY, AUGUST 11, 7:00 P.M.**  
**TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, AUGUST 9, 2002**



## **KENTUCKY WEATHER SUMMARY, AUGUST 5 - 11, 2002:**

### **NEAR NORMAL TEMPERATURES AND BELOW NORMAL RAINFALL:**

For the fourth week in a row, below normal rainfall was the outcome of the period's weather, and was the result of a pair of high pressure systems dominating the State's weather. The first high pressure system, which exited the State mid-week, was followed by a weak cold front that provided only scattered beneficial rainfall, and was in turn replaced by the second dome of high pressure which moved into the area from the north, providing relief from above normal temperatures, but continued to suppress rainfall. What rain did result from the frontal system and some very limited air-mass shower and thunderstorm activity, was limited to a small area of significant accumulated rainfall in the west-central part of the State, and another area of smaller accumulation amounts in the far western part of the State.

Temperatures for the period averaged 76 degrees across the State which was 1 degree above normal. High temperatures averaged from 91 in the West to 86 in the East. Departure from normal high temperatures ranged from 3 degrees above normal in the West to 1 degree above normal in the East. Low temperatures averaged from 65 degrees in the West to 62 degrees in the East. Departure from normal low temperature ranged from near normal in the West to 1 degree below normal in the East.

Rainfall for the period totaled 0.17 inches statewide which was 0.68 inches below normal. Precipitation totals by climate division, West 0.04 inches, Central 0.35 inches, Bluegrass 0.25 inches and East 0.03 inches, which was 0.75, 0.50, 0.61 and 0.84 inches respectively below normal. By station, precipitation totals ranged from a low of 0.00 inches at Berea to a high of 0.76 inches at Bowling Green.

Tom Priddy

### **KENTUCKY TEMPERATURES AND RAINFALL**

**FOR WEEK ENDING SUNDAY, AUGUST 11, 7:00 P.M.**

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr.1
(Inches)						(Degrees Fahrenheit)						
Bardstown	0.04	22.28	3.14	+3.88	-1.00	95	56	75.5	+0	166	2657	+235
Berea	0.00	25.78	1.63	+6.92	-2.21	94	56	75.9	+1	169	2702	+207
Bowling Green	0.76	18.39	2.71	-1.03	-1.13	98	56	77.8	+3	176	2723	+198
Bristol	0.00	10.09	1.86	-6.09	-1.63	95	53	74.3	-0	156	2529	+229
Buckhorn Lake	0.00	17.17	2.23	-0.98	-1.72	93	56	74.2	-0	163	2545	+358
Cape Girardeau	0.09	22.09	0.55	+4.22	-2.63	98	54	79.0	+2	187	2806	+147
Campbellsville	0.20	21.38	2.58	+0.30	-1.99	96	56	76.4	+1	169	2740	+275
Covington	0.16	19.06	1.14	+1.76	-2.37	96	59	75.6	+1	167	2417	+146
Cumberland Gap	0.00	11.95	1.52	-8.01	-2.91	95	56	75.5	+1	167	2616	+346
Dix Dam	0.21	20.93	2.09	+1.96	-2.01	96	57	76.0	+2	168	2642	+209
Evansville	0.06	19.97	1.20	+2.57	-2.12	97	56	76.9	-0	173	2714	+188
Glasgow	0.32	20.38	2.06	-0.57	-2.28	98	57	78.1	+3	173	2852	+417
Grayson	0.11	17.29	2.76	-0.63	-1.24	94	55	74.0	-0	157	2536	+399
Hardinsburg	0.25	18.13	1.49	-0.95	-2.47	99	58	77.4	+2	176	2682	+157
Henderson	0.04	23.38	2.17	+5.57	-1.20	98	57	77.9	+1	172	2754	+198
Huntington	0.03	17.10	2.23	-0.79	-1.87	93	54	73.7	-1	155	2520	+219
Jackson	0.00	19.70	3.29	+0.63	-1.01	92	56	73.9	-0	160	2554	+367
Lexington	0.60	14.78	2.17	-3.62	-1.97	98	57	76.1	+2	170	2564	+263
London	0.00	15.17	2.11	-2.56	-1.67	93	55	74.6	+0	165	2524	+254
Louisville	0.12	18.03	0.75	-0.05	-2.98	98	58	76.7	+2	173	2652	+115
Mayfield	0.00	12.51	0.00	-6.77	-3.82	96	57	76.3	-1	171	2655	+69
Nashville	0.00	14.30	0.64	-3.72	-2.76	97	62	79.6	+4	191	2880	+180
Nolin Lake	0.60	17.90	2.14	-2.41	-1.96	98	57	77.5	+2	177	2677	+346
Paducah	0.02	19.08	0.78	-0.30	-2.70	99	58	78.3	+1	175	2836	+208
Princeton	0.00	18.77	0.53	-0.55	-3.25	102	59	79.9	+3	178	2897	+300
Quicksand	0.00	18.71	2.45	-0.36	-1.85	92	56	73.9	-0	161	2550	+363
Somerset	0.09	19.65	3.64	-0.29	-0.43	94	55	74.9	+1	162	2571	+210
Spindletop	0.53	12.68	1.41	-5.72	-2.73	97	56	74.9	+0	163	2495	+194
Williamstown	0.00	16.03	0.24	-2.15	-3.57	98	55	77.0	+3	167	2600	+299

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: tpriddy@ca.uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>

## CROP PROGRESS PERCENT FOR WEEK ENDING AUGUST 4, 2002

### SOYBEANS SETTING PODS

State	Curr	Last Wk	2001	Avg
AR	53	39	62	36
IL	49	25	69	60
IN	35	16	67	54
IA	79	55	51	69
KS	44	30	66	51
KY	42	20	50	37
LA	83	56	89	79
MI	38	25	59	50
MN	57	38	34	50
MS	81	72	91	79
MO	32	21	39	39
NE	59	40	46	48
NC	24	8	21	20
ND	89	61	82	72
OH	27	13	61	56
SD	60	39	46	50
TN	57	41	52	36
WI	39	18	14	38
18 States	53	34	54	54

These 18 States planted 95% of last year's soybean acreage.

### CORN SILKING

State	Curr	Last Wk	2001	Avg
CO	69	47	69	75
IL	95	86	98	97
IN	87	66	100	93
IA	97	86	87	93
KS	93	88	100	98
KY	99	85	97	91
MI	84	54	78	76
MN	97	92	90	96
MO	95	88	96	96
NE	93	79	93	94
NC	100	96	100	96
ND	91	75	89	90
OH	76	49	91	87
PA	73	54	71	74
SD	76	53	73	76
TN	100	100	100	97
TX	99	97	97	97
WI	77	43	63	81
18 States	91	77	90	91

These 18 States planted 93% of last year's corn acreage.

### CORN DOUGH

State	Curr	Last Wk	2001	Avg
CO	11	3	8	11
IL	41	20	53	44
IN	18	7	47	37
IA	23	7	11	14
KS	50	32	68	53
KY	60	36	64	46
MI	0	0	4	4
MN	5	0	1	5
MO	66	46	67	62
NE	46	23	36	26
NC	87	72	82	74
ND	46	14	53	43
OH	12	1	27	26
PA	26	11	32	25
SD	21	4	20	19
TN	83	75	79	74
TX	80	74	81	81
WI	11	0	3	15
18 States	31	15	33	29

These 18 States planted 93% of last year's corn acreage.

## CROP CONDITION PERCENT FOR WEEK ENDING AUGUST 4, 2002

### SOYBEANS

State	VP	P	F	G	EX
AR	2	8	34	44	12
IL	8	15	37	35	5
IN	8	17	37	34	4
IA	3	8	24	50	15
KS	9	22	36	28	5
KY	5	16	30	40	9
LA	5	11	29	47	8
MI	4	12	33	41	10
MN	4	9	26	48	13
MS	0	4	19	50	27
MO	15	26	38	18	3
NE	27	28	30	14	1
NC	7	11	34	42	6
ND	5	10	30	48	7
OH	13	29	40	16	2
SD	16	20	29	33	2
TN	6	10	28	47	9
WI	3	11	29	44	13
18 States	9	16	32	35	8
Prev Week	7	15	33	38	7
Prev Year	3	9	31	45	12

VP - Very Poor P - Poor F - Fair G - Good EX - Excellent

### CORN

State	VP	P	F	G	EX
CO	19	20	27	25	9
IL	10	16	36	33	5
IN	13	20	36	28	3
IA	4	10	23	48	15
KS	22	28	29	20	1
KY	7	21	28	33	11
MI	7	14	34	38	7
MN	5	11	26	44	14
MO	21	24	32	20	3
NE	23	16	31	26	4
NC	21	22	24	27	6
ND	5	12	25	47	11
OH	19	30	34	15	2
PA	13	25	33	25	4
SD	26	21	28	21	4
TN	6	15	31	41	7
TX	13	23	23	30	11
WI	5	14	31	35	15
18 States	12	17	30	33	8
Prev Week	10	17	31	35	7
Prev Year	3	9	28	45	15

VP - Very Poor P - Poor F - Fair G - Good EX - Excellent

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